CHAPTER 13

ADJUSTED ITEMS

Other Specifications

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13. ADJUSTED ITEMS

Introduction

StEPS stores 4 different versions of item data in the item file (DATA##.IT*yyyypp)*:

! Reported data

Data reported by the respondent, regardless of the collection method. This field is populated via the Batch Update program or the Direct Data Entry screen in the Review and Correction module.

! Edited data

Item data that has not yet been "weighted" or "adjusted". Edited data can be identical to the "reported" data of the respondent, or it may reflect changes to the reported data as a result of imputation or analyst correction.

! Adjusted data

For a reporting unit for a specific statistical period, data that incorporates an adjustment factor to compensate for differences between the time periods of the reporting unit and the survey; typically used for monthly surveys to adjust reports which reflect 4- and 5-week time periods. (Example: monthly survey collects data for the calendar month and the respondent reports data for a 5-week period. The reported data must be *adjusted* to reflect a calendar-month basis.)

For items that are not adjusted, the *adjusted* version of the data will be identical to the *edited* version of the data.

! Weighted data

For weighted items indicated by WGTFLG = 'Y' in the Item Data Dictionary, weighted data is computed as ADDATA * WGT (from the stat period control file) <u>or</u> ADDATA * WGT * GWWGT# (where # = 1, 2, or 3 as specified in the corresponding Item Data Dictionary entry for the gweight indicator, "GWTNUM").

For items that are not weighted, the *weighted* version of the data will be identical to the *adjusted* version of the data.

A separate program in StEPS is used to calculate the "adjusted" version of the item data. If a survey does not require that its data items be adjusted, then the *edited* version of the data is simply copied into the *adjusted* field and the values for the edited and adjusted version of the

item are the same. If, however, the survey does adjust its data, then a special program must be run to calculate this value.

There are 2 ways to calculate an adjusted data value:

1. Using an adjustment factor
2. Using a formula

If an <u>adjustment factor</u> is used, then an adjustment parameter file must be created. This parameter file will contain the adjustment factors needed to calculate the adjusted values of the data items.

If a <u>formula</u> is needed to calculate the value of adjusted items (as opposed to a simple adjustment factor), then the StEPS Derived module will be used to enter and store these formulas.

Not all surveys will need to adjust the item data. For those that do, the following steps must be taken in order to calculate the adjusted values:

1. Determine which survey data items must be adjusted.

2. For each data item that must be adjusted, determine if the data will be adjusted using a <u>factor</u> or a <u>formula</u>:

   a. If the item value will be adjusted using a *formula*, set the ADJFLG (for that item) in the Item Data Dictionary to 'D'. Enter the formula in the Derived module. (See Chapter 7.1).

   b. If the item value will be adjusted using a *factor*:

      ! Set the ADJFLG (for that item) in the Item Data Dictionary to 'Y'.

      ! Determine the adjustment type needed and enter it in the ADJTYPE field in the Item Data Dictionary. (For each ADJTYPE specified, verify that your production programmer has written corresponding code (to be used by the adjust program) and stored it in SPRGLIB.ARSOURCE.*<adjtype>*.SOURCE.) (See Chapter 13.1 for more information on adjustment types.)

      ! Consult with your production programmer to prepare a parameter data set containing the factors that will be used to calculate the adjusted value of each data item. This file will be stored in PARMLIB.ADJFCTRS.

3. Determine which stat periods of data will be needed to compute the adjusted item values. Update the survey's relative stat period file accordingly. Note that the same file for specifying the *derived* relative stat periods is also used for specifying the *adjusted* relative stat periods. (See Chapter 13.3)

4. Determine which versions (i.e., reported, edited, adjusted, weighted) of the item data (used to compute the *adjusted* item values) will be needed. Update the survey's data

version file accordingly. (See Chapter 2.13)

5. Run the adjust program on the entire survey interactively or as part of the night run.
(See Chapter 13.2)